

Table 1.—Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage			
				BY10 Winter	BY10 Spring	BY10 Fall	BY11 ² Late-Fall
3/26/2011	58,800	8.9	—	—	—	—	—
3/27/2011	69,400	9.2	—	—	—	—	—
3/28/2011	60,400	9.3	—	—	—	—	—
3/29/2011	59,000	9.7	—	—	—	—	—
3/30/2011	60,400	10.1	—	—	—	—	—
3/31/2011	57,900	10.4	—	—	—	—	—
4/1/2011	57,400	10.6	—	—	—	—	—
4/2/2011	56,900	10.7	—	—	—	—	—
4/3/2011	54,300	10.3	—	—	—	—	—
4/4/2011	47,900	10.6	—	—	—	—	—
4/5/2011	41,900	10.9	—	—	—	—	—
4/6/2011	36,200	10.7	9.6	327 (108)	327 (82)	4,900 (36 – 71)	1,633 (33 – 34)
4/7/2011	31,900	10.3	15	328 (110)	656 (84 – 86)	7,542 (36 – 76)	4,263 (31 – 35)
4/8/2011	28,200	8.8	8.9	0 (-)	2,823 (78 – 100)	6,006 (36 – 76)	962 (32 – 35)
Biweekly Total³				1,527	8,882	43,044	18,288
<i>Biweekly Lower 90% Confidence Interval</i>				-7,212	-23,089	-90,931	7,074
<i>Biweekly Upper 90% Confidence Interval</i>				10,266	40,853	177,019	29,502
Brood Year Total				1,281,363	113,228	6,021,706	18,288
<i>Brood year Lower 90% Confidence Interval</i>				837,843	49,511	3,568,634	7,074
<i>Brood year Upper 90% Confidence Interval</i>				1,724,882	176,946	8,474,778	29,502
							2,812

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Brood year 2011 began on 4/01/11 according to length-at-date criteria (Greene 1992); brood year 2010 total was estimated 183,764

³ Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we impute missed sample days with the weekly mean value of days sampled within the week.

Juvenile Winter Chinook Salmon Estimated Passage

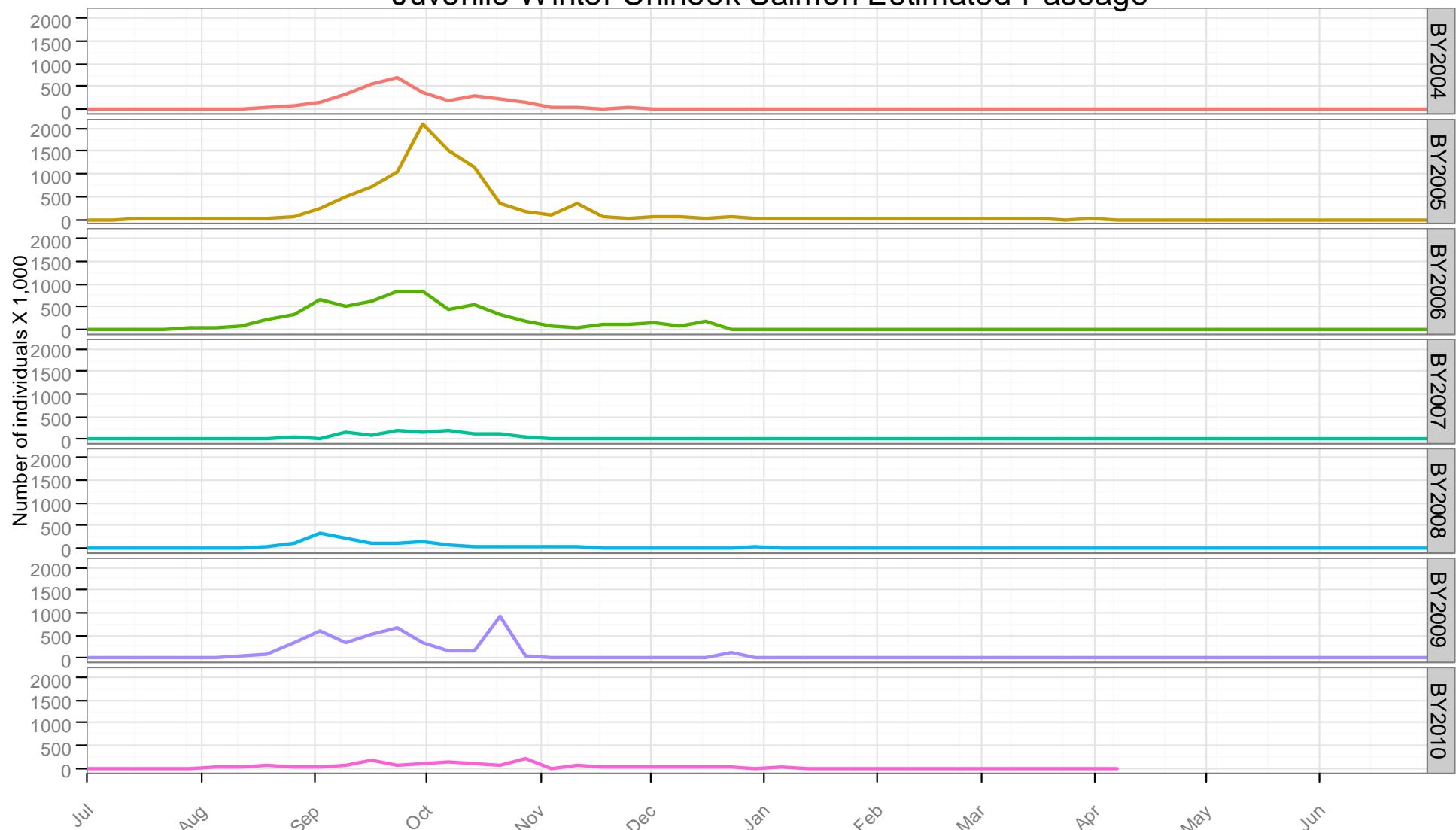


Figure 1. Weekly estimated passage of juvenile winter Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period July 1 2004 to present.

Juvenile Spring Chinook Salmon Estimated Passage

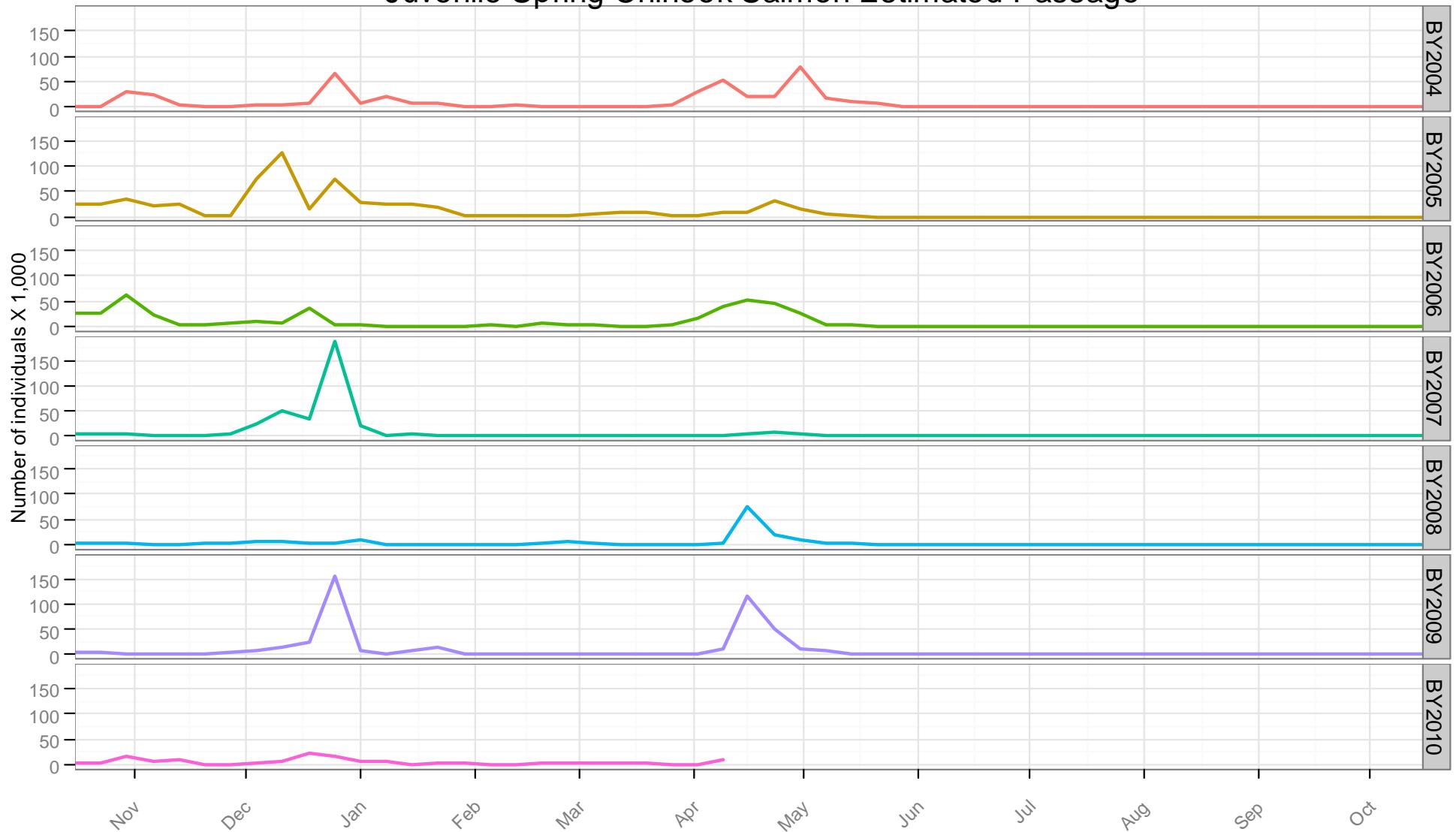


Figure 2. Weekly estimated passage of juvenile Spring Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period October 16 2004 to present .

Juvenile *Onchorhyncus mykiss* Estimated Passage

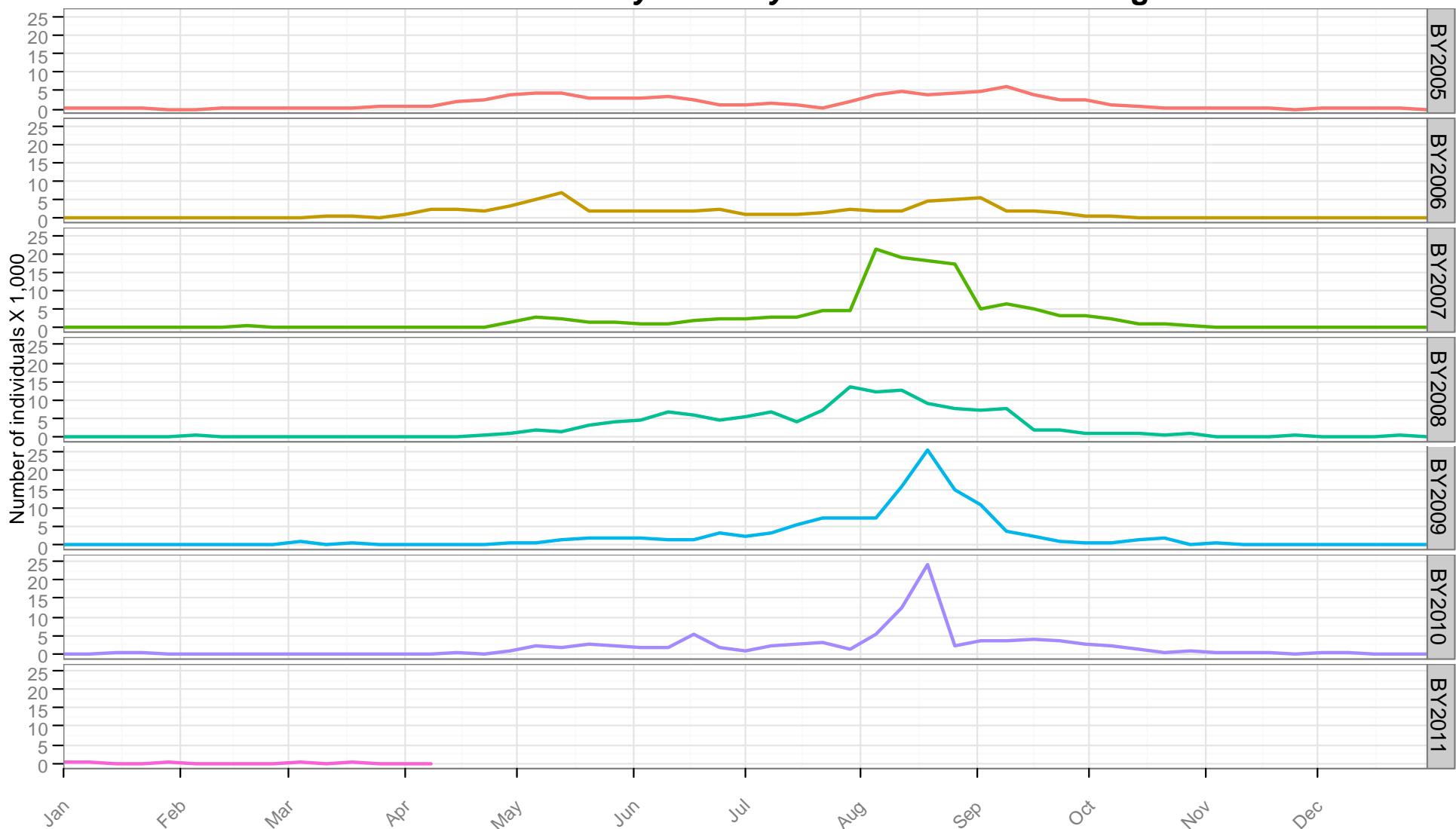


Figure 3. Weekly estimated passage of juvenile Rainbow/Steelhead trout at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period January 1 2005 to present .

Juvenile Fall Chinook Salmon Estimated Passage

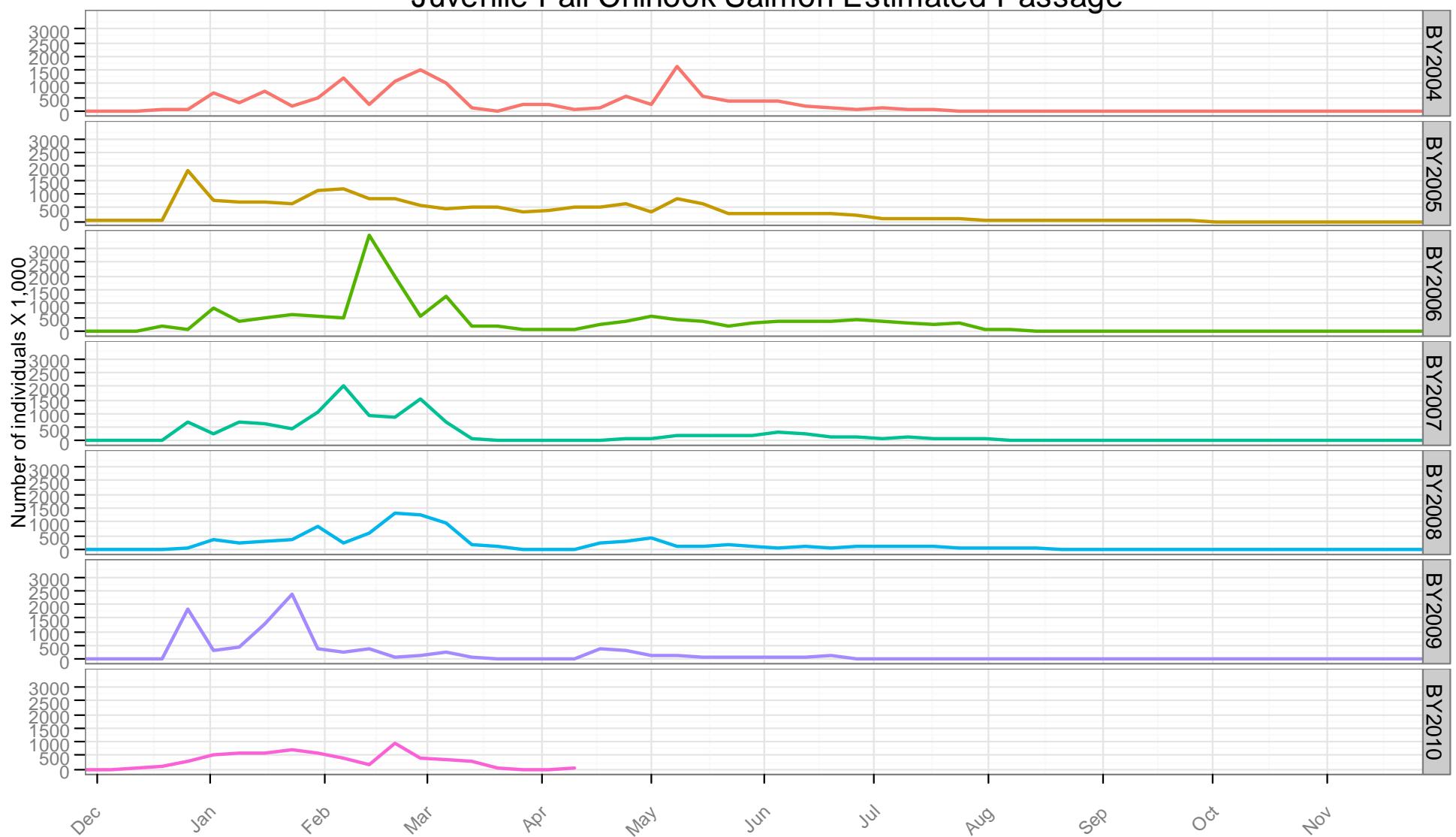


Figure 4. Weekly estimated passage of juvenile Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period December 1 2004 to present.

Juvenile Late Fall Chinook Salmon Estimated Passage

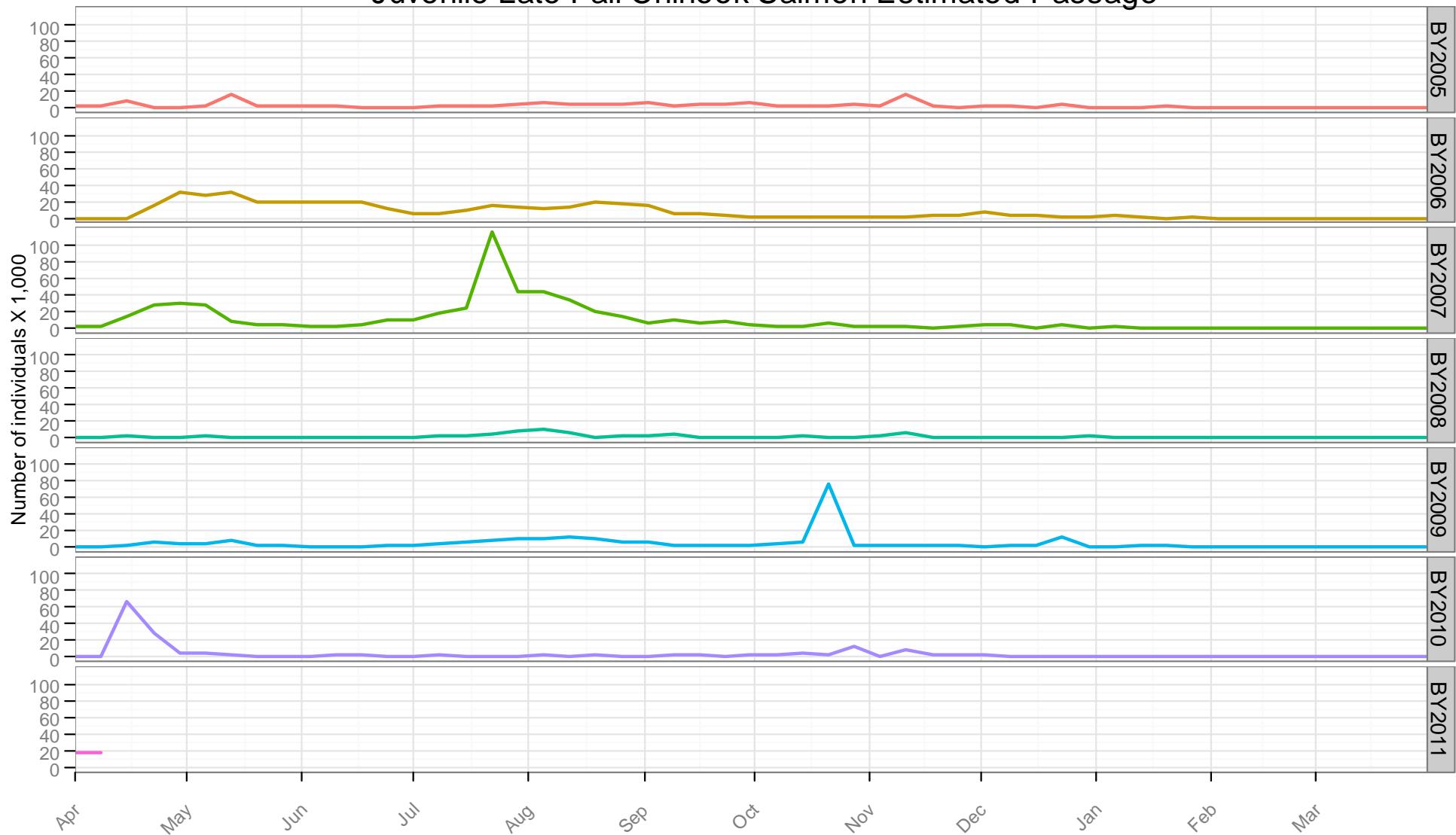


Figure 5. Weekly estimated passage of juvenile Late Fall Chinook Salmon at Red Bluff Diversion Dam (RK391), by brood-year (BY). Fish were sampled using rotary-screw traps for the period April 1 2005 to present.

Weekly Estimated Chinook Passage at Red Bluff Diversion Dam - All Runs Combined

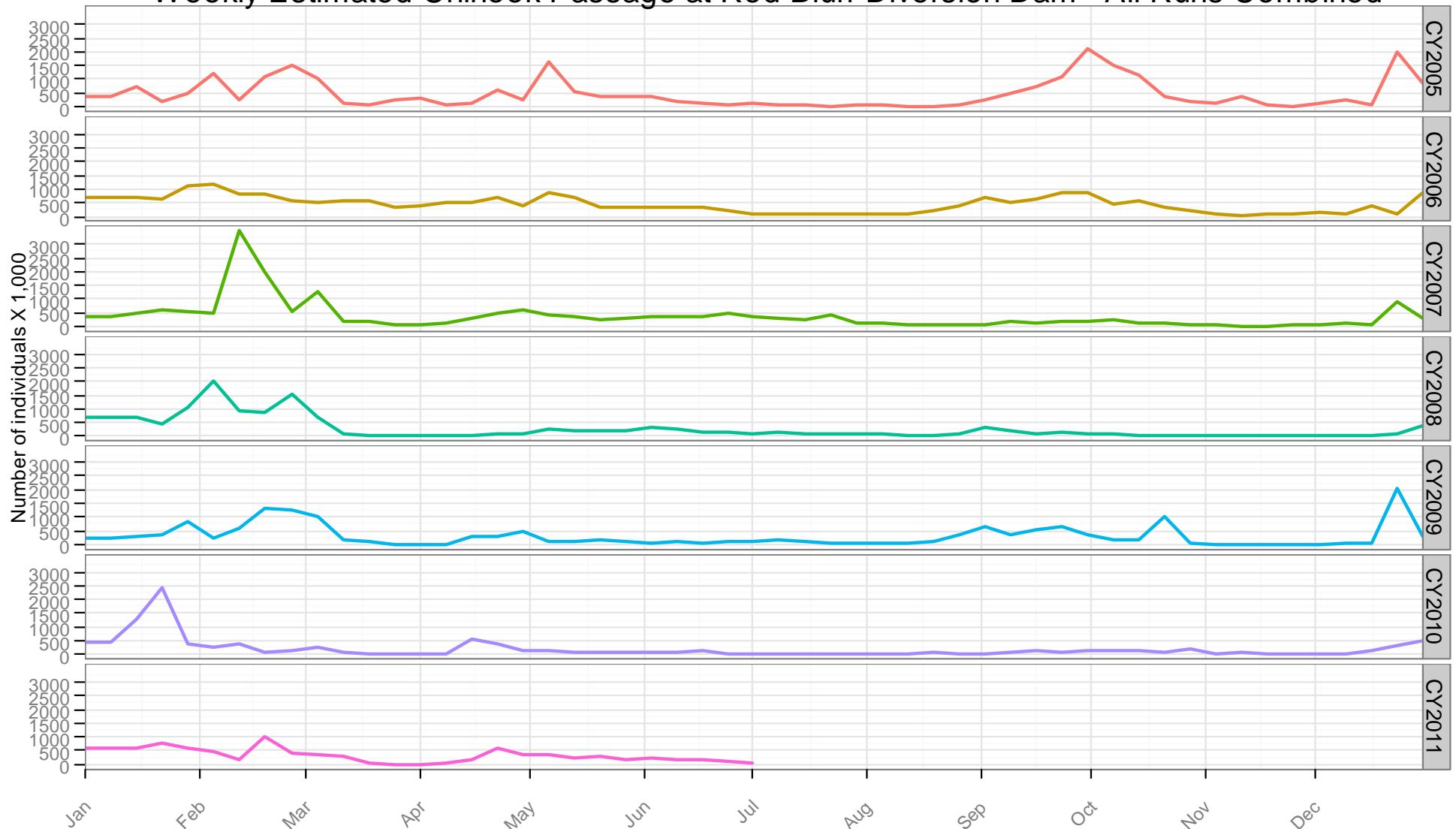


Figure 6. Weekly estimated passage of juvenile Chinook Salmon at Red Bluff Diversion Dam (RK391), by calendar year. Fish were sampled using rotary-screw traps for the period January 1 2005 to June 30 2011